FIG. 1

FIG. 2

In a cellular communication network, a MS receives
information from base stations of neighboring cells

The MS creates a reporting order for reporting cell
measurement results based on the received information
and/or predefined rules

The MS performs cell measurements and selects relevant
measurement results based on predefined rules

The MS transmits the relevant results to the network
based on said reporting order

FIG. 3

8	7	6	5	4	3	2	1	
Measurement Results 2 IEI								octet 1
Serving cell and other measurement results (Not relevant)								Octet 2
								Octet 3
								Octet 4
IND=1	RXLEV-NCELL 1						IND=1	Octet 5
RXLEV-NCELL 2 (low part)						IND=1	RXLEV-NCELL 3 (high part)	Octet 6
RXLEV-NCELL 3 (low part)					IND=1	RXLEV-NCELL 4 (high part)		Octet 7
RXLEV-NCELL 4 (low part)				IND=1	RXLEV-NCELL 5 (high part)			Octet 8
RXLEV-NCELL 5 (low part)			IND=0	IND=0	IND=0	IND=0	IND=0	Octet 9
			IND=0	IND=0	IND=0	IND=0	IND=0	Octet 10
RXLEV-NCELL24 (low part)				IND=1	RXLEV-NCELL24 (high part)			Octet 11
RXLEV-NCELL 25 (low part)			IND=1	RXLEV-NCELL 25 (high part)				Octet 12
RXLEV-NCELL 26 (low part)		IND=1	RXLEV-NCELL 26 (high part)					Octet 13
RXLEV-NCELL 27 (low part)	IND=1	RXLEV-NCELL 27 (high part)						Octet 14
RXLEV-NCELL 28								Octet 15
RXLEV-NCELL 29								
RXLEV-NCELL 32								
IND=1							IND=0	Octet 16
IND=1							IND=0	Octet 17

FIG. 4